

RF RECEPTIVE FILTER ADHESIVE

ABSTRACT OF THE DISCLOSURE

A filter manufacturing process includes the steps of dispensing an adhesive including an RF receptive material, and arranging the adhesive between an end disc and a filter media. The adhesive is exposed to RF waves excite the RF receptive material, which generates heat to cure the adhesive. The adhesive need only be exposed to the RF waves for several seconds. As a result, the filter media may be fully cured during the early processing stages. In one example, the adhesive is a vinyl adhesive plastisol. The filter media and end disc are passed through a curing tunnel in which an RF transmitter is arranged proximate to the adhesive to emit RF waves to excite the RF receptive material.